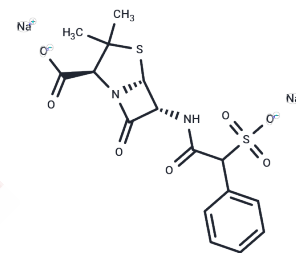


Sulbenicillin disodium

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 28002-18-8 |
| Formula: | C ₁₆ H ₁₆ N ₂ Na ₂ O ₇ S ₂ |
| Molecular Weight: | 458.41 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|--|
| Description | Sulbenicillin disodium (Sulbenicillin Sodium) is a penicillin antibiotic, is a Penicillin antibiotic with antibacterial activity |
| Targets(IC50) | Antibacterial, Antibiotic |

Solubility Information

| | |
|------------|---|
| Solubility | DMSO: 91 mg/mL (198.51 mM), Sonication is recommended. H ₂ O: 91 mg/mL (198.51 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.1815 mL | 10.9073 mL | 21.8145 mL |
| 5 mM | 0.4363 mL | 2.1815 mL | 4.3629 mL |
| 10 mM | 0.2181 mL | 1.0907 mL | 2.1815 mL |
| 50 mM | 0.0436 mL | 0.2181 mL | 0.4363 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Eftimiadi C , Leo C D , Schito G C . Antibacterial activity in vitro of sulbenicillin against mucoid and non-mucoid strains of *Pseudomonas aeruginosa*[J]. *Drugs under experimental and clinical research*, 1985, 11(4):241-245.

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